

INFORMATION DISCLOSURE CITATION

Sheet 1 of 7

Applicant: Kenneth H. Falchuk

Filing Date: October 15, 2001

Group: 1614

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
AA		4,353,888	10/12/82	Sefton	424	25	12/23/80
AB		4,892,538	01/09/90	Aebischer et al.	604	891.1	11/17/87
AC		4,955,892	09/11/90	Daniloff	606	152	10/24/88
AD		5,041,138	08/20/91	Vacanti et al.	623	16	08/17/89
AE		5,092,871	03/03/92	Aebischer et al.	606	152	11/30/90
AF		5,106,627	04/21/92	Aebischer et al.	424	424	11/14/90
AG		5,288,514	02/22/94	Ellman	427	2	09/14/92
AH		5,359,115	10/25/94	Campbell et al.	558	110	09/11/92
AI		5,362,899	11/08/94	Campbell	558	108	09/09/93
AJ		5,712,171	01/27/98	Zambias et al.	436	518	01/20/95

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Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
AK		WO 91/07087	05/30/91	PCT				
AL		WO 92/10092	06/25/92	PCT				
AM		WO 93/01275	01/21/93	PCT				
AN		WO 93/09668	05/27/93	PCT				
AO		WO 93/20242	10/14/93	PCT				
AP		WO 94/08051	04/14/94	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

AQ	Achkar et al, "4-Oxoretinol, a new natural ligand and transactivator of the retinoic acid receptors," <i>Proc. National. Acad. Sci., USA</i> , 93:4879-4884, 1996
AR	Ang and Rossant, "HNF-3 β is Essential for Node and Notochord Formation in Mouse Development," <i>Cell</i> , 78:561-574, 1994
AS	Azuma, "Changes of EGG Retinoids During Development of <i>Xenopus laevis</i> ," <i>Vision Res</i> , 30(10):1395-1400, 1990

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Sheet 2 of 7

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Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
	BB	WO 94/09119	04/28/94	PCT				
	BC	WO 94/10292	05/11/94	PCT				
	BD	WO 94/16718	08/04/94	PCT				
	BE	WO 95/18856	07/13/95	PCT				
	BF	WO 96/17924	06/13/96	PCT				

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	BG	Davidson, "How embryos work: a comparative view of diverse modes of cell fate specification," <i>Development</i> , 108:365-389, 1990
	BH	Dawid, "Intercellular Signaling and Gene Regulation during Early Embryogenesis of <i>Xenopus laevis</i> ," <i>J. Biol. Chem.</i> , 269:6259-6262, 1994
	BI	Dexter, "N,N-Dimethylformamide-induced Morphological Differentiation and Reduction of Tumorigenicity in Cultured Mouse Rhabdomyosarcoma Cells," <i>Cancer Res.</i> , 37:3136 - 3140, 1977
	BJ	Donehower et al., "Mice deficient for p53 are developmentally normal but susceptible to spontaneous tumors," <i>Nature</i> 356: 215-221, 1992
	BK	Donehower, "The p53-deficient Mouse: A model for basic and applied cancer studies," <i>Cancer Biol.</i> 7:269-278, 1996
	BL	Durst et al., "Retinoic acid causes an anteroposterior transformation in the developing central nervous system," <i>Nature</i> , 340:140-144, 1989
	BM	Eichele, "Retinoids and vertebrate limb pattern formation," <i>Trends in Genetics</i> , 5:246-251, 1989
	BN	Falchuk et al., "Zinc Uptake and Distribution in <i>Xenopus laevis</i> Oocytes and Embryos," <i>Biochemistry</i> 34:16524-16531, 1995
	BO	Fearon et al., "Differentiation of Leukemia Cells to Polymorphonuclear Leukocytes in Patients with Acute Nonlymphocytic Leukemia," <i>N. Eng. J. Med.</i> 315:15-24, 1986

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	CA						

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
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2	CC	Fibach et al., "Effect of Hexamethylene bis acetarnide on the Commitment to Differentiation of Murine Erythro Cells," <i>Cancer Res.</i> , 37:440-444, 1977						
0	CD	Formelli and Cleris, "Synthetic Retinoid Fenretinide is Effective against a Human Ovarian Carcinoma Xenograft and Potentiates Cisplatin Activity," <i>Cancer Res.</i> 51:5374-5376, 1993						
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>	CF	Gamet et al., "Effects of Short-Chain Fatty Acids on Growth and Differentiation of the Human Colon-Cancer Cell Line HT29," <i>Int. J. Cancer</i> , 52:286-289, 1992						
>	CG	Grant, "Phosphate Metabolism during Oogenesis in <i>Rana temporaria</i> ," <i>J. Exp. Zool.</i> , 124:513-543, 1953						
0	CH	Grubbs et al., "Inhibition of Mammary Cancer by Retinyl Methyl Ether," <i>Cancer Res.</i> 37:599-602, 1977						
0	CI	Gum et al., "Effect of Sodium Butyrate on Human Colonic Adenocarcinoma Cells: Induction of Placental-like Alkaline Phosphatase," <i>J. Biol. Chem.</i> , 262:1092-1097, 1987						
>	CJ	Gurdon, "The Generation of Diversity and Pattern in Animal Development," <i>Cell</i> , 68:185-199, 1992						
2	CK	Hausen and Riebesell, <i>The Early Development of Xenopus Laevis</i> . Springer-Verlag, Berlin Heidelberg New York. Plates 7-10, 1991						
0	CL	Hemmati-Brivanlou et al., "Follistatin, an Antagonist of Activin, Is Expressed in the Spemann Organizer and Displays Direct Neuralizing Activity," <i>Cell</i> , 77:283-295, 1994						
2	CM	Heyman et al., "9-Cis Retinoic Acid Is a High Affinity Ligand for the Retinoid X Receptor," <i>Cell</i> , 68:397-406, 1992						

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Sheet 4 of 7

Applicant: Kenneth H. Falchuk

Filing Date: October 15, 2001

Group: 1614

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
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FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
DB							

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2	DC	Holwill et al., "Axis and germ line deficiencies caused by u.v. irradiation of <i>Xenopus</i> oocytes cultured <i>in vitro</i> ," <i>Development</i> , 100:735-743, 1987
2	DE	Huberman et al., "Induction of terminal differentiation in human promyelocytic leukemia cells by tumor promoting agents," <i>Proc. Natl. Acad. Sci. USA</i> , 76(3):1293-1297, 1971
00	DF	Jessell et al., Diffusible Factors in Vertebrate Embryonic Induction," <i>Cell</i> 68:257-270, 1992
00	DG	Jörnvall. et al., "1,10-Phenanthroline and <i>Xenopus laevis</i> Teratology," <i>Biochem Res. Commun.</i> , 200(3):1398-1406, 1994
7	DH	Kostich and Sanes, "Expression of zfh-4, a New Member of the Zinc Finger-Homeodomain Family, in Developing Brain and Muscle," <i>Dev. Dynamics</i> , 202:145-152, 1995
6	DI	Kraft and Juchau, "Correlations Between Conceptual Concentrations of All- <i>Trans</i> -Retinoic Acid and Dysmorphogenesis After Microinjections . . .," <i>Drug Metab. Dispos.</i> , 20(2):218-225, 1992
9	DJ	Krishnaraju et al., "The Zinc Finger Transcription Factor Egr- I Potentiates Macrophage Differentiation of Hematopoietic Cells," <i>Mol. Cell Biol.</i> , 15:5499-5507, 1995
9	DK	Kühnlein et al., " <i>Spalt</i> encodes an evolutionarily conserved zinc finger protein of novel structure which provides homeotic gene function . . .," <i>EMMO J.</i> , 13(1):168-179, 1994
00	DL	Leid et al., "Multiplicity Generates Diversity in the Retinoic Acid Signaling Pathways," <i>TIBS</i> , 427-433, 1992
00	DM	Marks et al., "Induction of Transformed Cells to Terminal Differentiation and the Modulation of Gene Expression," <i>Cancer Res.</i> , 47:659 - 666, 1987
00	DN	McCarthy et al., "Toxicity and Antitumor Activity of Liposome Entrapped Retinoid," <i>Rol.3-7410, Sel. Cancer Ther.</i> 7:151-157, 1991
2	DO	Mellerick et al., " <i>Castor</i> Encodes a Novel Zinc Finger Protein Required for the Development of a Subset of CNS Neurons in <i>Drosophila</i> ," <i>Neuron</i> 9:789-803, 1992

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INFORMATION DISCLOSURE CITATION Sheet 5 of 7				Applicant: Kenneth H. Falchuk			
				Filing Date: October 15, 2001		Group: 1614	
U.S. PATENT DOCUMENTS							
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	EA						
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation
	EB						YES NO
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)							
Q	EC	Mendelsohn et al., "Function of the retinoic acid receptors (RARs) during development: (II) Multiple abnormalities . . .," <i>Development</i> 120:2749-2771, 1994					
Q	ED	Mével-Ninio et al., "The <i>ovo</i> gene of <i>Drosophila</i> encodes a zinc finger protein required for female germ line development," <i>EMBO J.</i> , 10(8):2259-2266, 1991					
Q	EE	Mintz and Ilmensee, "Normal genetically mosaic mice produced from malignant teratocarcinoma cells," <i>Proc. Natl. Acad. Sci. USA</i> , 72(9):3585-3589, 1975					
Q	EF	Morikawa et al., "Influence of Organ Environment on the Growth, Selection, and Metastasis of Human Colon Carcinoma Cells in Nude Mice," <i>Cancer Res.</i> 48:6863-6871, 1988					
Q	EG	Mueller et al., "Terminal Differentiation of Human Breast Cancer through PPAR γ ," <i>Mol. Cell</i> , 1:465-470, 1998					
Q	EH	Nagai et al., "The Expression of the Mouse <i>Zic1</i> , <i>Zic2</i> , and <i>Zic3</i> Gene Suggests an Essential Role for <i>Zic</i> Genes in Body Pattern Formation," <i>Dev. Biol.</i> 182:299-313, 1997					
Q	EI	Nomizu et al., "Zinc, Iron and Copper Content of <i>X. laevis</i> oocyte and Embryos," <i>Mol. Reprod Develop.</i> 1:314-319, 1993					
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Q	EK	Perrotti et al., "Overexpression of the Zinc Finger protein MZF1 Inhibits Hematopoietic Development from Embryonic Stem Cells: Correlation with Negative Regulation of <i>CD34</i> and <i>c-myc</i> Promoter Activity," <i>Mol. Cell. Biol.</i> 15(11):6075-6097, 1995					
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INFORMATION DISCLOSURE CITATION

Sheet 6 of 7

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FOREIGN PATENT DOCUMENTS

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						YES	NO
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FC	Pierce and Speers, "Tumors as Caricatures of the Process of Tissue Renewal: Prospects for Therapy by Directing Differentiation," <i>Cancer Res.</i> , 48:1996-2004, 1988
FD	Pijnappel et al., "The Retinoid ligand 4-oxo-retinoic acid is a highly active modulator of positional specification," <i>Nature</i> , 366:340-344, 1993
FE	Preflow et al., "Transplantation of Human Prostatic Carcinoma into Nude Mice in Matrigel," <i>Cancer Res.</i> , 51:3814-3817, 1991
FF	Redeman et al., "Disruption of a putative Cys-zinc interaction eliminates the biological activity of the <i>Krüppel</i> finger protein," <i>Nature</i> (London), 332:90-92, 1988
FG	Roark et al., "Scratch, a pan-neural gene encoding a zinc finger protein related to <i>snail</i> , promotes neuronal development," <i>Genes & Dev.</i> , 9:2384-2390, 1995
FH	Sarraf et al., "Differentiation and reversal of malignant changes in colon cancer through PPAR γ ," <i>Nature Medicine</i> , 4:1046-1052, 1998
FI	Sasai et al., "Xenopus <i>chordin</i> : A Novel Dorsalizing Factor Activated by Organizer-Specific Homeobox Genes," <i>Cell</i> , 79:779 - 790, 1994
FJ	Scharf and Gerhart, "Determination of the Dorsal-Ventral Axis in Eggs of <i>Xenopus laevis</i> : Complete Rescue of uv-Impaired Eggs . . .," <i>Develop. Biol.</i> 79:181-198, 1980
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FL	Schleicher et al., "Influence of Retinoids on Growth and Metastasis . . .," <i>Cancer Res.</i> , 48:1465-1469, 1988
FM	Schubert et al., "Induced Differentiation of a Neuroblastoma," <i>Dev. Biol.</i> , 25:514-546, 1971
FN	Schütz and Niessing, "Cloning and structure of a chicken zinc finger cDNA: restricted expression in developing neural crest cells," <i>Gene</i> , 148:227-236, 1994

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	GA					

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	GB					YES NO

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	GC	Schwartz et al., "Sodium butyrate induces retinoblastoma protein dephosphorylation, p16 expression and growth arrest of colon cancer cells," <i>Mol. & Cell Biochem.</i> , 188:21-30, 1993
	GD	Shalinsky et al., "A Novel Retinoic acid Receptor-selective Retinoid, ALRT1550, Has Potent Antitumor Activity . . .," <i>Cancer Res</i> , 57:162-168, 1997
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